Plan Reviewed…
The Journey Begins

NCES 2012 Summer Forum and
25th Annual STATS-DC
2012 Data Conference
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Starting the journey with the end in mind

WHERE DO WE WANT TO GO?

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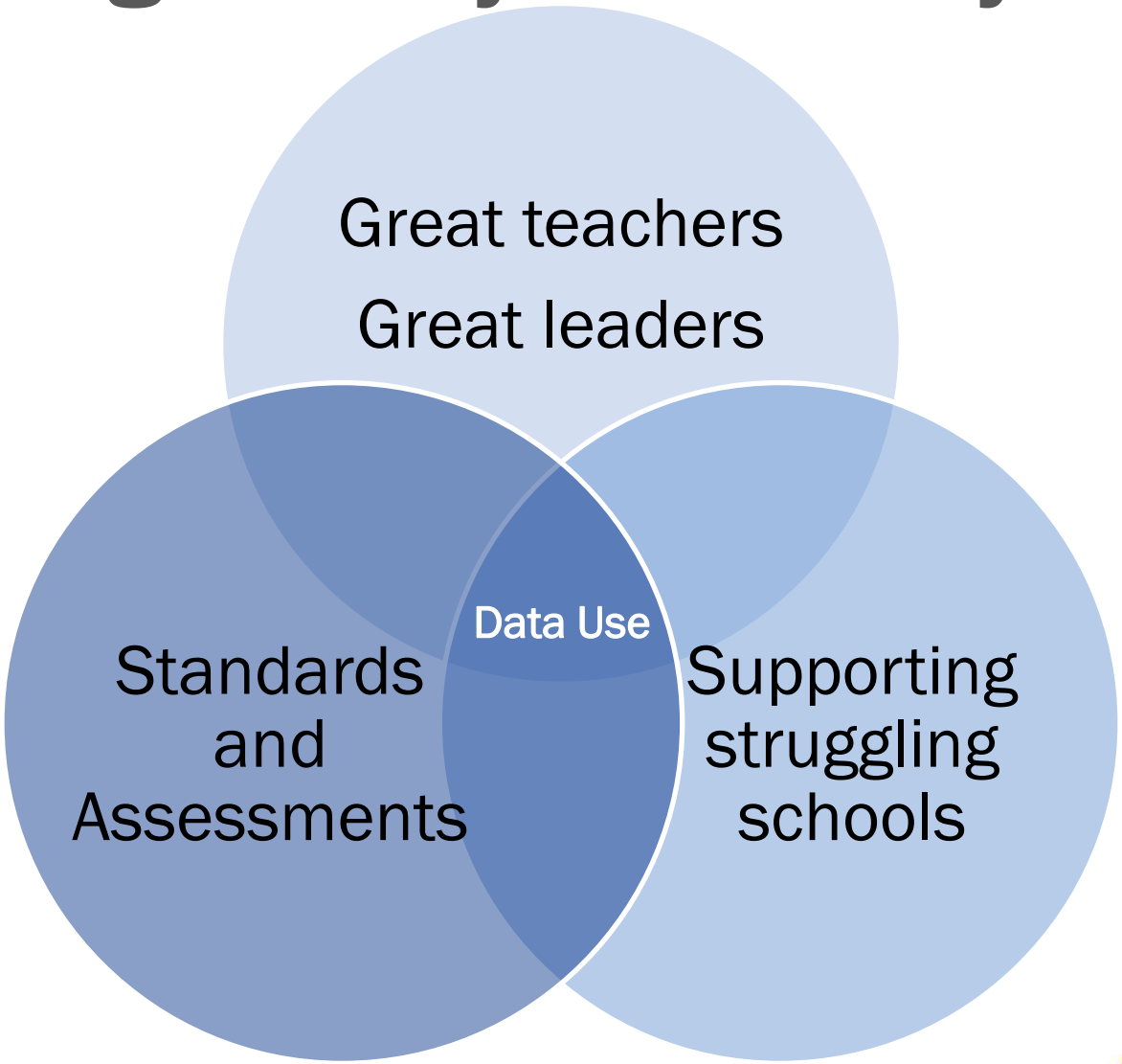
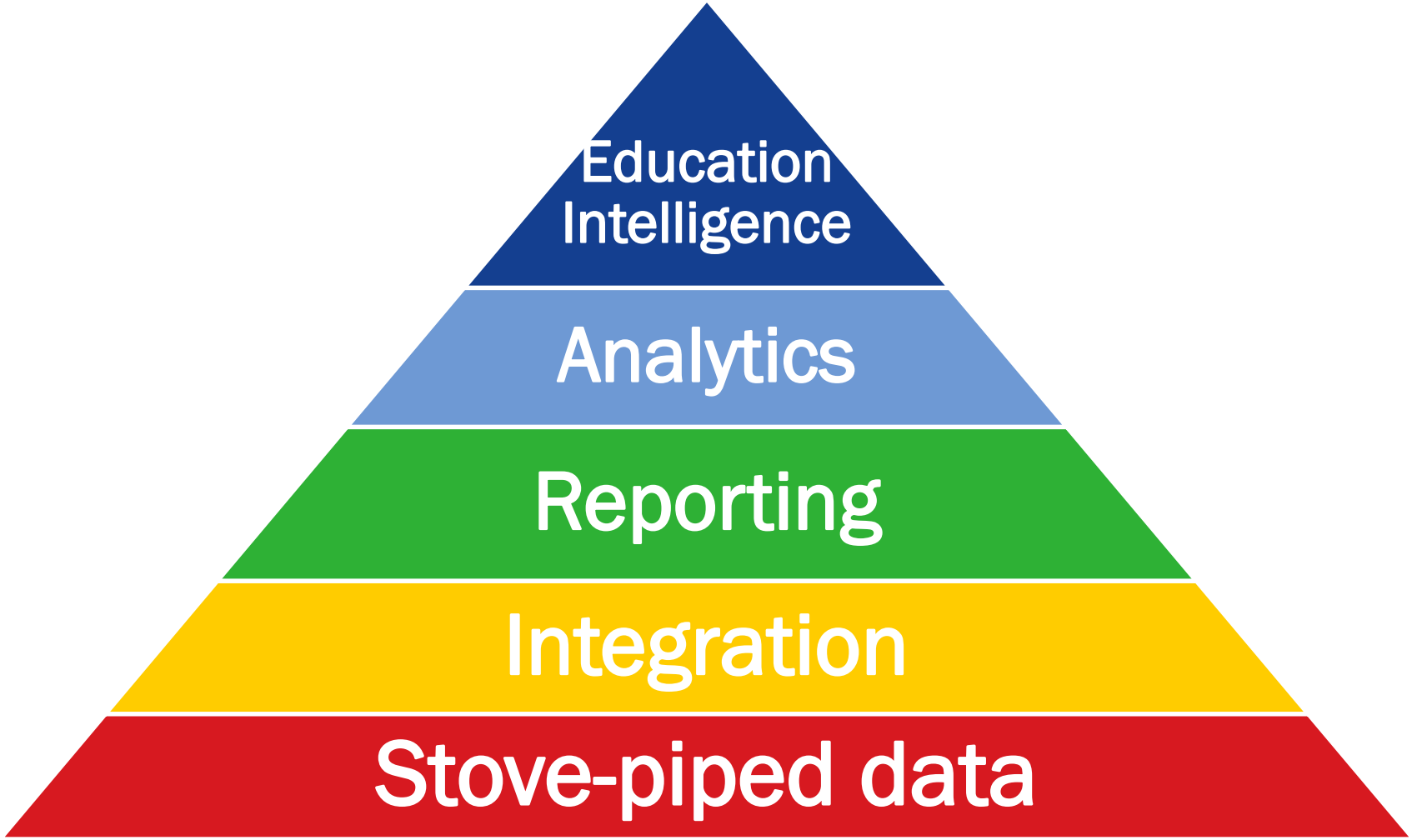
Is your agency structured to meet the needs of education in the 21st century?

Connections

An integrated system is key



Data hierarchy of needs



Surveying the terrain

WHERE ARE WE COMING FROM?

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Strengths

Leadership

IT work group

Weaknesses

People

Processes

Culture

Opportunities

Siloed to centralized

Decentralized software / hardware cost savings

650 LEAs

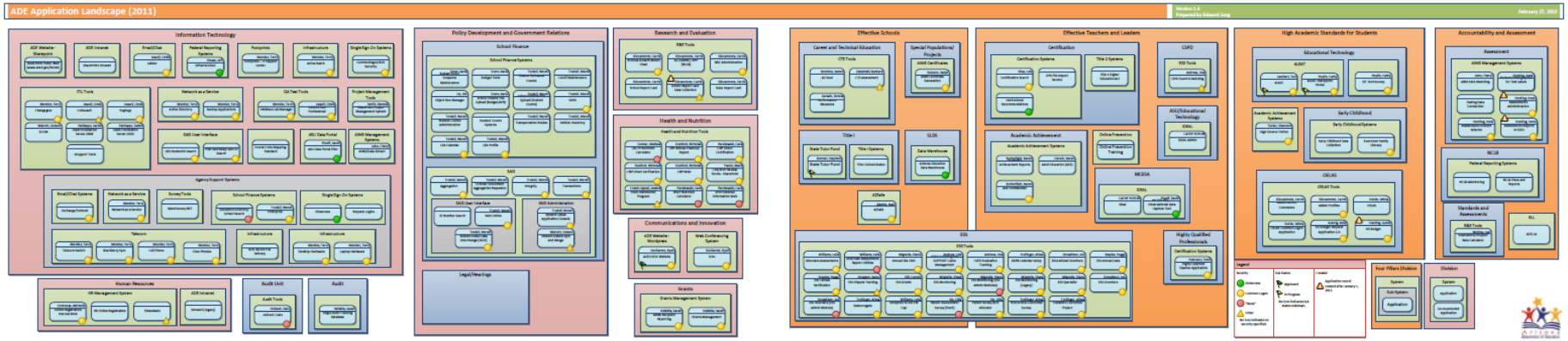
Threats

Legislative

Community-based opposition

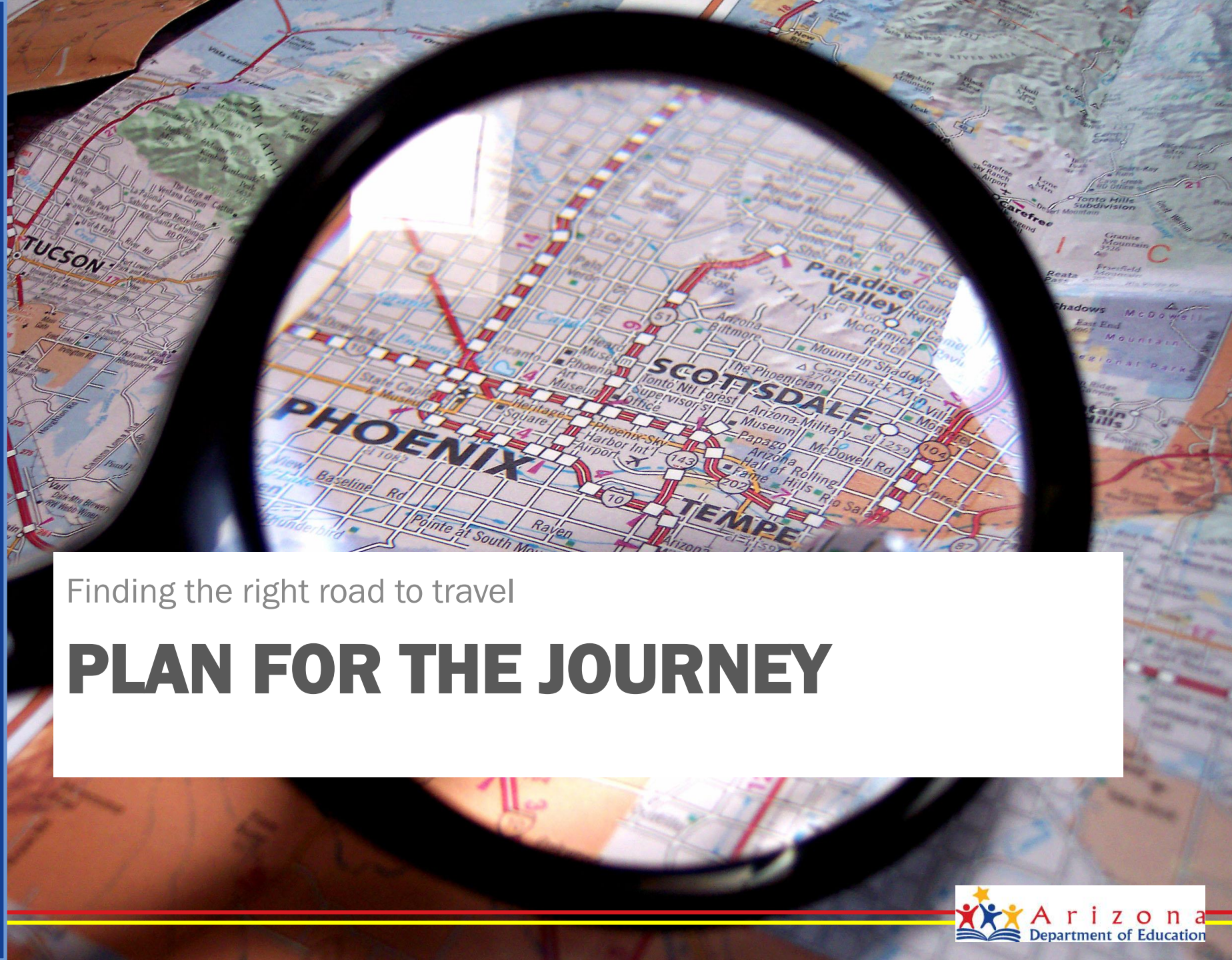
650 LEAs

Current architecture



- Lack of standards or policy governing the data and its creation and use

- Stovepipes of data and business systems that mirror the agency org structure



Finding the right road to travel

PLAN FOR THE JOURNEY

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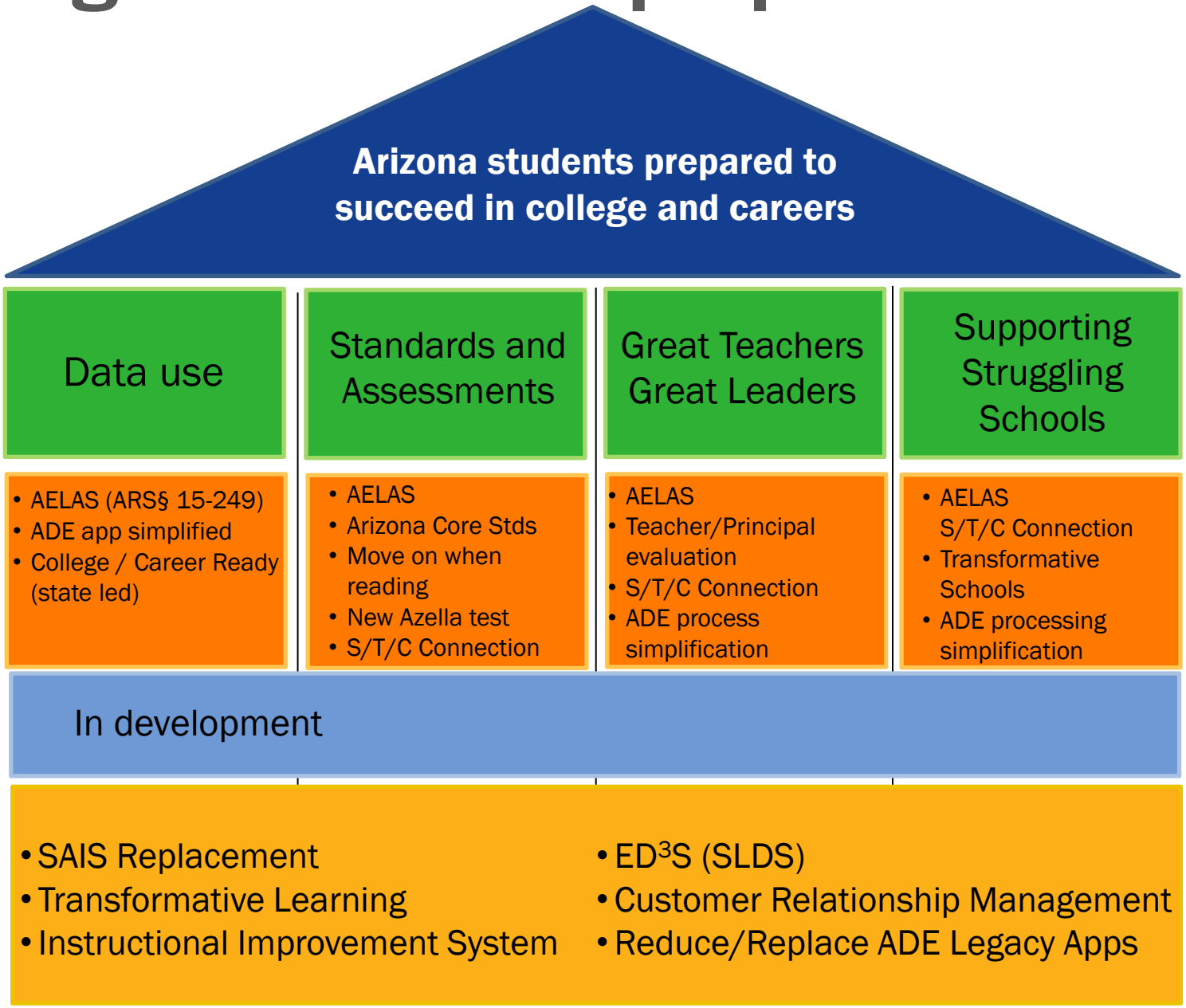
Tech alignment with a purpose



Creating a culture of “zero data defects”

- Adopt CEDS and Ed-Fi
- Implementation of data governance processes and workflows
- Pilot logical data
  - Model with Ed-Fi assessment/physical data model
  - Model student and teacher using Ed-Fi
- Deploy Ed-Fi dashboards to 6 districts
  - Measure acceptability
  - Determine changes for statewide deployment

Impact of poor data quality

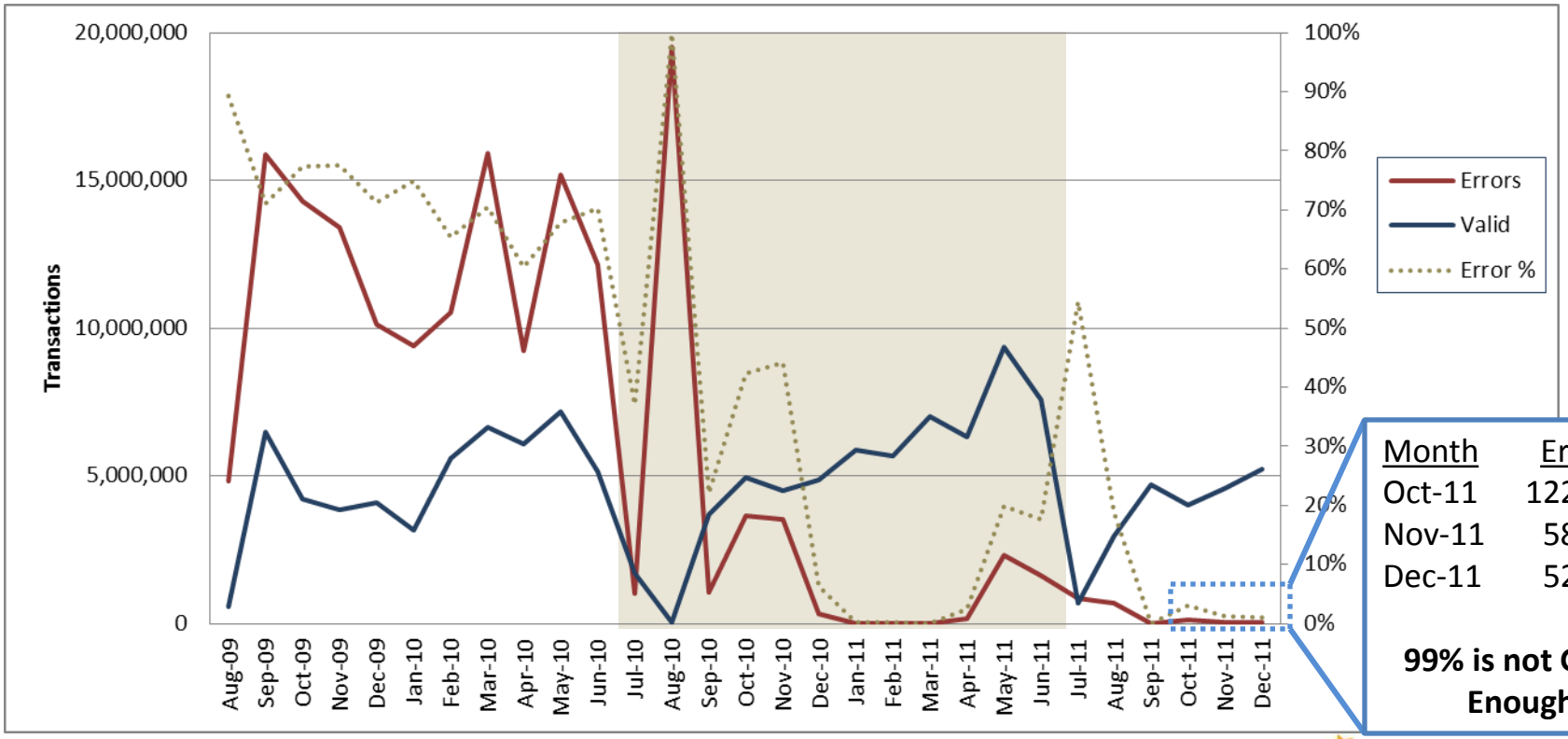
FY 2010-2011:

- 61M Valid transactions

Error Rate:

2009-2010 : 70%

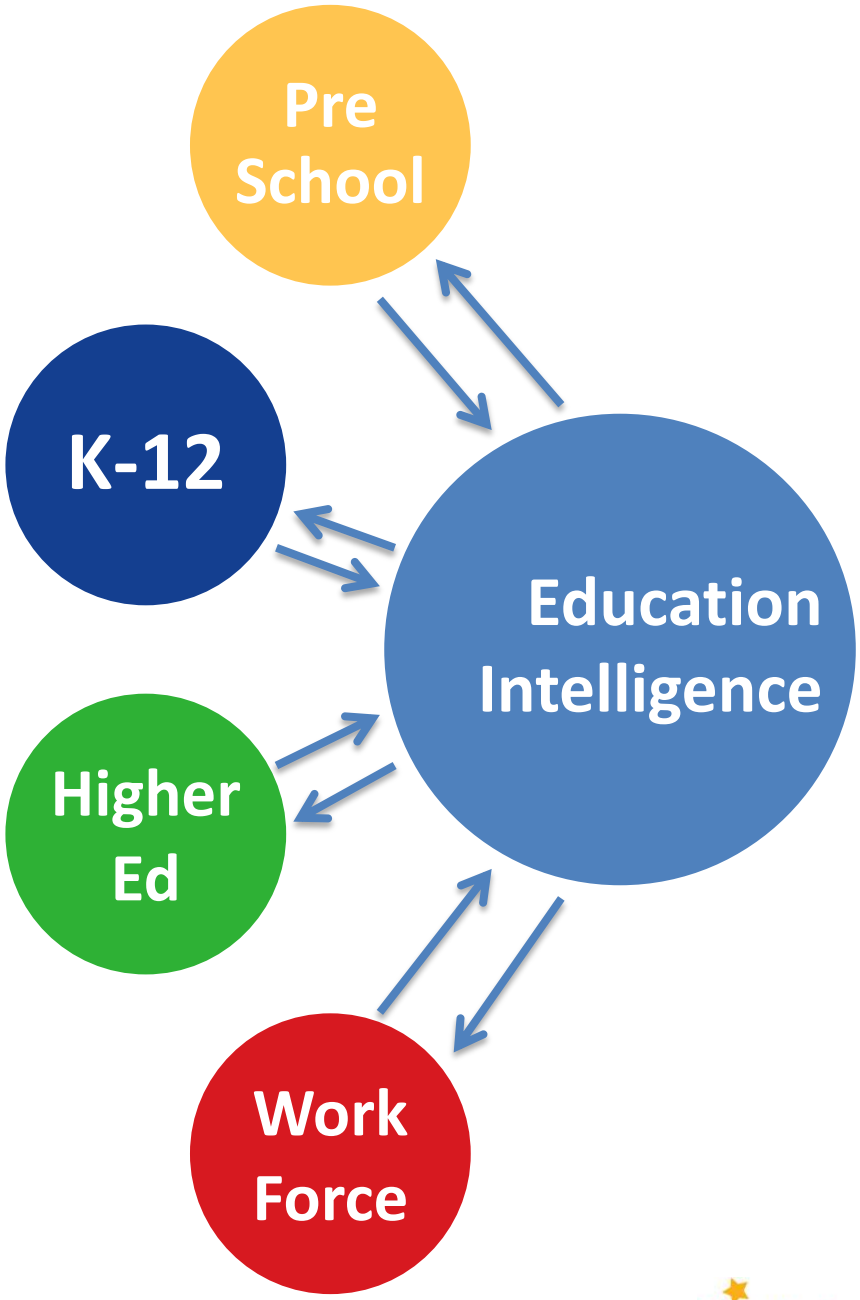
1H2011 : 3%



Month	Errors
Oct-11	122,363
Nov-11	58,001
Dec-11	52,193

99% is not Good Enough

ED^{3}S = Systems that can provide answers to questions that cannot even be conceived today



Keeping track of our progress

ARE WE THERE YET?

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We lost our roadmap

137 Databases

8869 Tables

Student Details : 13 Copies

2,452,881	2,384,226
2,452,796	2,307,369
2,452,719	2,196,103
2,452,578	2,085,684
2,445,290	2,065,491
2,435,644	1,919,985
2,421,278	

6 Copies on our Primary Production Server

Oops, we forgot something

- Mandated projects that were left behind
  - Student Teacher Course Connection
  - PARCC
  - Core Standards
  - Teacher/Principal Evaluations
  - School Report Cards

Flying, driving or hitchhiking?

Source	Amount	Project Objectives
SAIS Stabilization (SFSF Funds)	$1.7M	New hardware/software and servers to stabilize financial and student payment system; On time performance and system availability
FY2012 AELAS Allocation $6/student higher ed fee	$6.6M	System requirements gathering, security enhancements, financial stabilization, reducing
Student-Teacher-Course Connection RTTT Grant	$2.5M	Real-time student detail updates by LEAs; Real-time course assignment; Transcript information
FY2013 AELAS Allocation	$6.2M	Implement pilots for Integrity and IIS; Implement CRM and private cloud platform; Initiate Ed-Fi pilots; reduce internal applications
SLDS Grant	$5.0	Enhance data security; Make ADE data available to stakeholders

FY2013 travel fund

Strategic Objective	Amount	Projects
SAIS Replacement	$2.5M	Student Detail Phase 1 and 2
Transformative Education	$900K	FreeThrows Admin Center FreeThrows English Expansion
Instructional Improvement System (IIS)	$3.0M	Professional Development System; Learning Management System; Content Management System Evaluation Tool; Assessment System
ED^{3}S	$3.5M	SLDS; Decision Support System; Student/Teacher/Course Connection; Training
Customer Relationship Management	$650K	Event Management; Teacher; Facilities
Reduce/Replace ADE Legacy Apps	$250K	Enterprise Architecture Security to fix audit findings

Why am I the only one driving?

- Engaging the program areas for sustainability
- Showing frequent and demonstrable progress to stakeholders to keep them engaged and excited

Thank You

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